

10/27/15

"Failing to prepare is preparing to fail."  
- Anonymous

HW: STUDY

Test Tomorrow

Oct 27-12:30 PM

$$13) 2x^2 + 8x + 6 \quad \text{GCF then AM}$$

$$2(x^2 + 4x + 3)$$

$$2(x+3)(x+1)$$

$$14) 3a^2 - 30a + 75 \quad \text{GCF then AM}$$

$$3(a^2 - 10a + 25)$$

$$3(a-5)(a-5)$$

$$15) 5x^3 - 15x^2 - 20x \quad \text{GCF then AM}$$

$$5x(x^2 - 3x - 4)$$

$$5x(x-4)(x+1)$$

$$16) 10ab^2 - 40a \quad \text{GCF then DoTS}$$

$$10a(b^2 - 4)$$

$$10a(b+2)(b-2)$$

$$17) c^4 - 16 \quad \text{DoTS then DoTS}$$

$$(c^2+4)(c^2-4)$$

$$(c^2+4)(c+2)(c-2)$$

$$18) 3y^3 - 12y^2 + 6y - 24$$

$$3y^2(y-4) + 6(y-4)$$

$$(y-4)(3y^2+6)$$

$$(y-4)3(y^2+2)$$

$$3(y-4)(y^2+2)$$

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$$18) \text{Alt: } 3y^3 - 12y^2 + 6y - 24$$

$$3(y^3 - 4y^2 + 2y - 8)$$

$$3(y^2(y-4) + 2(y-4))$$

$$3(y-4)(y^2+2)$$

$$19) x^3 + 5x^2 - x - 5$$

$$x^2(x+5) - 1(x+5)$$

$$(x^2-1)(x+5)$$

$$(x+1)(x-1)(x+5)$$

$$20) x^4 - 2x^2 + 1$$

$$(x^2-1)(x^2-1)$$

$$(x+1)(x-1)(x+1)(x-1)$$

$$20.5) 27x^3 + 8$$

$$3\sqrt[3]{27x^3} = 3x \quad 3\sqrt[3]{8} = 2$$

$$(3x+2)(9x^2-6x+4)$$

Oct 27-12:55 PM